

THE TECH

DAILY

VOL. XXIX. NO. 44.

BOSTON, MASS., THURSDAY, NOVEMBER 18, 1909

PRICE ONE CENT

AERO CLUB PROGRESSIVE FIRST MEETING HELD

Permanent Officers Elected-- Committee Reports On Hills

Some good work is to be expected from the Aero Club if the attitude of the members at the first meeting held yesterday afternoon is any indication.

The meeting was opened by temporary chairman Creecy, who was elected to this position at the organization of the club last Friday. There were about twenty-five men present yesterday, most of whom had previously signified their intention of becoming full members.

As many prospective members desired to know the provisions of the constitution as drawn up last week. Mr. Creecy commenced the meeting by a reading of this document. Among the important points in it are the division of regular members into two classes, full members and associate members. A third class is also provided for, to be elected from men outside the Institute by a three-quarters vote of the club. Full members may be dropped to associate members for non-payment of dues or failure to do the required work, and associate members may be dropped from the club for the same reasons. Both of these penalties must come as a result of a three-quarters vote of the full members. The constitution was accepted as read.

The election of officers was the next step, and Mr. Elisha Fales was nominated and unanimously elected president of the Aero Club of M. I. T. Mr. Woodward Selfridge 1913, was elected secretary-treasurer.

Mr. Fales then took the chair and spoke concerning the offices to be filled. The club, he said, needed a librarian, whose duties would be to gather and take care of such publications, clippings etc., as would be necessary or useful to the club. He also asked that members turn over to the librarian any literature in their possession which would be of interest to members in general. C. H. Strang 1913, was elected librarian.

Report from members of the temporary engineering committee on an investigation of hills for gliding were heard. H. D. Kemp reported that, of three hills he had looked over, two were at least partially suited for the desired purpose. Both of these hills were in the West Roxbury district of Boston. H. F. Lehman reported that two hills which he had been asked to look over were not suited for experimentation.

There followed some discussion as to the advisability of having shingles for members as is the custom among the other professional societies at the Institute. A vote of the club decided in favor of having shingles, and a committee was appointed by the chair to look into the matter. The members of this committee are Mr. Strang, Mr. Lehman and Mr. Selfridge.

It was decided to call this the first meeting of the club as the organization of the club which took place last Friday night was not a meeting, strictly speaking.

The election of the permanent engineering committee brought out some little discussion in which it was made clear just what the requirements and duties of men on it will be. Those men will have charge of the laying out of the work and will assign the three hours work of the full members. They will be held responsible for the execution

MECHANICAL SOCIETY DISCUSSES TURBINES

Low Pressure Units The Theme --Greater Efficiency Gained

The Boston Branch of the American Society of Mechanical Engineers enjoyed a very instructive talk on low pressure turbines. The meeting was held at 6 Lowell, commencing at 8 o'clock last night.

The object of the discussion was to find a better means of converting an ordinary steam engine into a more efficient affair, thereby utilizing all the steam which would otherwise go to waste.

This state would be brought about by introducing a third element, the low pressure turbine.

Mr. Stow, President of N. Y. Interborough Rapid Transit, was the first speaker. His talk was chiefly on the success that his company has had with low pressure turbines since they had been installed. The engines are of Manhattan type generating a power of 8,000 kilowatts and making 75 revolutions per minute. By various tests they are able to run the engines to their full capacity without any loss of power.

In low pressure turbine work it is necessary to get rid of the water and oil before it enters the turbine, otherwise it causes friction and loss of heat in steam. This function is brought about by placing a separator between the engine and the turbine. The combination of the two gives an increased economy of 23 per cent.

Mr. Scott of the General Electric Company of New York went into the details of the engines, speaking on their efficiency and capacities. He spoke of the need of them in the New England Mills. Mr. Emerson spoke on the life of the turbine, and said that it was known about fifty years ago. A very interesting speaker was Mr. Robertson, who by his intermingling of jokes, kept the society in a continuous uproar. He said that by mixing the two elements together it destroys the two units, flexibility and reliability. He said in manufacturing and mills simplicity and continuance of service were more important than the economy of fuel and steam.

Professor Miner asked for a presentation of a low pressure turbine to the Institute.

There were about three hundred present at this meeting. After the speaking the meeting became an informal smoke-talk, and there were some lively discussions concerning the use of low pressure turbines in general.

N. Y. STATE CLUB

This evening the New York State Club of the Mass. Institute of Technology will hold its first dinner of this term. This affair will take place at the Union.

All men who are residents of New York State are eligible for membership, and all are requested to be present whether they have received invitations or not. This club had a roll of over thirty members last year, and while there have been a few lost by graduation this is about made up by the New York members of the entering Class.

CROSS-COUNTRY RACE OVER TECH COURSE

Cornell Looks Like A Winner But Tech And Penn Look Good

Already preparations are being made to accommodate the cross-country teams which will participate in the intercollegiate run to be held over the Tech course next Saturday. An addition has been built onto the locker room which will enlarge the latter so that no inconvenience will be felt by the runners.

The men will line up across the northern end of the field, one man from each team in a section, each section will be divided off by poles put into the ground at regular intervals.

The course is very little over six miles in length. Starting at the farthest extremity of the field it goes out of the southern gate and up the road for a distance of a little over a mile. It then makes a circuit and returns to the field, the men entering by the Pond Avenue gate. The runners then cut diagonally across the field and once more leave by the southern gate, this time going over the Larz Anderson hill and back to the field, entering by the southern gate and making one lap on the track.

This course makes an ideal cross-country course. It combines hard going with easy roads. It has a great variety of hills and levels, woods and open fields, stone walls, fences and even goes through brooks. It has the additional feature of returning on the field often enough to give the spectators something to see. As a great many people will be in town to witness the Harvard-Yale football battle a big crowd should be out to the field to see this race. Tickets can be purchased from Paul Pearson, manager of the track team or his assistants.

At the present time Cornell looks like a winner. Cross-country running is a specialty at the New York State school and they have turned out some pretty fast teams. However, they will stand a loss in Taylor who cannot run on account of a sore ankle.

The real fight will come for second place. Penn, Tech, Yale, Syracuse and Michigan are all in good trim and will fight hard for this position.

Paul of Penn is running in fine shape and will make H. G. Watkins of Tech hustle if he wants individual honors.

BIOLOGICAL DINNER

Dr. Prince Of Tufts Speaks On Psychology Of Memory

Psychology of memory was the subject of Dr. Prince's talk to the Biological Society last evening. Besides the talk, the club was entertained by several of its members.

The comic part of the entertainment was original, consisting of representations of prominent professors in the Biological department. A lecture of Prof. Phelps on bacteria by Jenks 1911 was very clever. Palmer, a graduate student, represented Prof. Prescott lecturing in the "general, theoretical, industrial and practical demography and dermatology, illustrated with lantern slides of the biological baseball game." Prof. Sedgwick congratulated the club on its success, and introduced Dr. Morton Prince of Tufts, the main

(Continued on page 3.)

FRANCIS WILL SPEAK AT SHOW DINNER

Lyric Writers To Meet Saturday --Dinner Early For Celebration

Saturday evening at six o'clock will see the first gathering of Tech Show 1910 in the Union, when plans for the year will be made public and the objects and interests of the Show explained to the entering class. All who attended last year's dinner will remember the delightful talk by Professor D. C. Jackson, and Mr. James Francis needs no introduction whatever, he always has something to say and he knows the best way to say it.

On account of the celebration after the Yale-Harvard game on Saturday, it has been decided to start the dinner a little earlier than usual so that every one can get down town by about nine o'clock. This will afford all who are planning to go down together an opportunity to meet one another at an exceptionally enjoyable dinner, as all old Show men know.

This year it has been decided to have some of the old Show men speak rather than members of the faculty as has been the custom in the past, as it is felt that this dinner is essentially for the new men, and that old Show members can give them a better idea of the Show than those who do not take an active part.

A good dinner has been arranged for, with beer, "The Soul of Good Cheer," for all those who want it. Tickets may be procured at the Cage or from any of the competitors in the Business Department.

Mr. Francis will arrive in Boston on Saturday morning, and all who are interested in writing lyrics or music should see him at 12:30 Saturday in the Show Office, Room B, the Union.

BASKET-BALL OUTLOOK

Practice Begins Next Monday-- Good Season In View

Starting Monday, Nov. 22, basketball practice will be held in the gym every Monday, Wednesday and Friday. There are fine prospects for a good team this year. T. B. Parker 1910, is captain of the team, and W. D. Everett 1910, is manager. Of last year's men, several are back—Capt. Parker 1910, center; Hargraves 1910, forward; Lord 1910, forward; Bennet 1912, guard; and Fenwick 1912, guard. This is certainly a splendid nucleus for the team and counting on new men to come out, the prospect is very promising.

Manager Everett has not yet completed his schedule, but it is well under way and will soon be announced. Last year's team played sixteen games, winning ten of them, defeating Dartmouth, Tufts, Adams, Harvard, Brown and other colleges.

CALENDAR

Thursday, November 18.

1:00 P. M.—E. H. S. Club, in Union.
4:15 P. M.—Banjo Club in 33 R.
5:00 P. M.—Technique 1910 Board Meeting.

Friday, November 19.

8:00 P. M.—Entertainment at Union.

Saturday, Nov. 20.

10:00 A. M.—Cross-Country Race.
6:00 P. M.—Show Kommers.

(Continued on page 3.)

THE TECH.

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BOSTON, MASS., NOVEMBER 18, 1909.

CURRENT EVENTS

Everett C. Brown of Chicago was elected president of the Amateur Athletic Union at the annual meeting succeeding James E. Sullivan, who had held the office for three years. Mr. Sullivan, who has been secretary in previous years, was chosen secretary-treasurer. He was not a candidate for re-election to the presidency.

Among the many routine matters passed upon at the meeting was the adoption of a new rule designed to protect young athletes from overstrain. This regulation athletes under 18 years of age are barred from competing in races exceeding five miles.

Total receipts for the year were \$8580. Cross-country and gymnastic championships alone showed a deficit.

President Sullivan in his annual address discussed various proposed changes in the A. A. U. constitution and rules. Regarding the hammer throw, accidents in connection with which have been somewhat numerous, President Sullivan expressed himself in favor of retaining the event on the A. A. U. list, but thought that some changes to make the competition safer would be advisable.

With his departure on the steamer Lusitania for Liverpool today the visit of Sir Thomas Lipton to this country is said to have practically assured an international yacht race for the America's Cup in 1911.

Although no definite understanding in regard to changing the rules governing the cup races, which Sir Thomas has been anxious to obtain, or the promise of a formal challenge, have been announced, it is said today that Sir Thomas's negotiations with his friends in the New York Yacht Club have paved the way for a forthcoming challenge from the Irish yachtsman.

Germany is fast becoming snow bound by a great snow storm that is sweeping over the whole country today. Nearly all the telegraph and telephone wires were down this afternoon. It is impossible to get domestic messages through.

THE "DOPESTER"

I see that the cross-country management has started advertising the cross-country intercollegiate, by bill-board posters on the different elevated stations.

All the Yale regulars are on the sick list, as usual, but they will recover speedily on Saturday morning from their almost fatal injuries.

The Boston Journal's school boy cross-country, which is to be held Nov. 26 from Tech Field, looks as if it should be interesting. Some of the best runners of the different High Schools are getting into shape.

Did you get your tickets for the game Saturday.

AM. SCIENCE ASSOC.

From Dec. 27 to Jan. 1 inclusive Boston will be the scene of the annual convocation of the American Association for the Advancement of Science, and some thirty odd scientific associations connected with it. Among these may be mentioned the American Mathematical Society, the American Physical Society, the American Chemical Society, the Geological Society of America and the American Society of Naturalists. The various buildings of the Institute will be the main headquarters and meeting places for societies in mathematics, physics, chemistry, engineering, economics, anthropology and education.

At the opening session, which will be held in Huntington Hall, Monday morning, Dec. 27, addresses of welcome will be given by President Lowell of Harvard College and President MacLaurin of the Institute. Prof. Tyler is chairman and Mr. G. W. Swett of the Mechanical Engineering department is secretary of the arrangement committee of five who are in charge of the plans for that part of the affair connected with the Institute.

Another group of societies, including the sciences of biology, medicine, etc., are to have their headquarters at the Harvard Medical School.

The last meeting at Boston of the American Association was in 1898.

SOUTHERN CLUB MEETS

Reception To New Men--Dean Prof. Dewey Speaks

Yesterday was notably principally for the number of meetings of different clubs, societies and organizations connected with the Institute. By no means the least important of these was the meeting of the Southern Club of the Massachusetts Institute of Technology.

The Southern Club met last night in the rooms of the Technology Club on Newbury St. at eight o'clock. The meeting was well attended, about forty men being present.

The object of the meeting was to get the new Southern men into the club, and a reception was given to them.

Dean Burton spoke in his usual entertaining manner on his experiences in the South, and Prof. Dewey gave some good advice to the men on intermingling between classes and getting acquainted.

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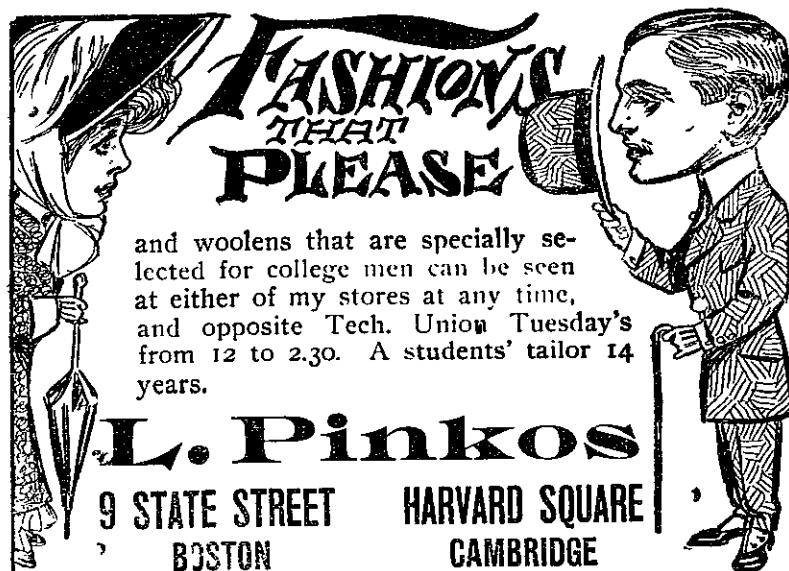
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AERO CLUB

(Continued from page 1.)
of such work, and for the solution of all problems arising in applied mechanics and engineering subjects, connected with the work. About six men were nominated and from these H. D. Kemp 1912, G. H. Abel 1912 and C. E. Creecy 1910, were elected. The president and secretary are members ex-officio.

The meeting adjourned immediately after the election of this committee. As an indication of the spirit of activity among the members, it may be stated that two men were fined by vote of the club for neglect in performing certain duties assigned to them.

TECHNIQUE ELECTIONS

At the meeting of the Technique board yesterday afternoon, R. M. Barton 1911, and K. W. Faunce 1911, were elected assistant business managers.

Both men have been active in Institute affairs. Barton is at present assistant advertising manager of the Tech, and Faunce has been identified with the Tech Show, 1911 tug-of-war team and other activities.

INTERCOLLEGIATE NEWS.

Another serious injury was added on Saturday to the list of football casualties this year. Arthur Christian, left halfback of the University of Virginia, is on the point of death as a result of an injury to his spinal column received in the Virginia-Georgetown game. Christian comes from Richmond, Va., and, though but eighteen years of age, was one of the best players on his team. The schedule of both colleges, as a result of the fatality, have been cancelled.

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**BIOLOGICAL SOCIETY**

(Continued from page 1.)
speaker of the evening.

Dr. Prince's talk was very interesting. He spoke on Psychology of memory, giving many interesting examples of things recalled under hypnotism which were forgotten. He spoke also of the control of the unconscious memory over the body.

INTERCOLLEGiate NEWS

Yale's line-up for the Harvard game is settled. After prolonged conferences the coaches have determined to start Ed. Savage at right end in the game in the Stadium. This completes the membership of the team. The line-up finally determined upon follows:

Left end, Kilpatrick; left tackle, Hobbs; left guard, Andrus; centre, Cooney; right guard, Goebel; right tackle, Lille; right end, Savage; quarter-back, Howe; left halfback, Philbin; right halfback, Murphy; fullback, Captain Coy.

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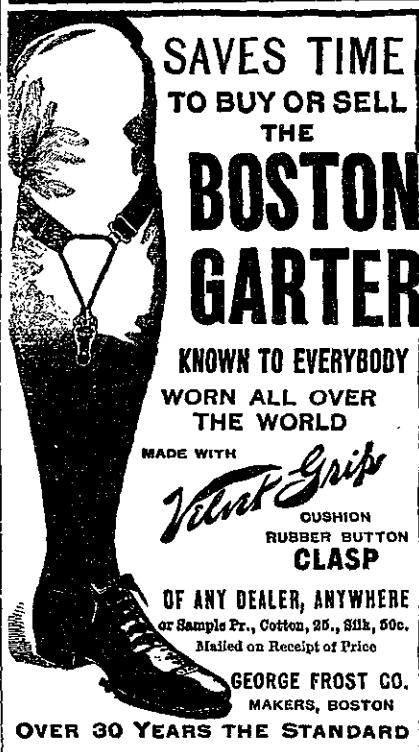
GENERAL NOTICES.

All desiring to enter the lyric or
music competition for Tech Show 1910,
will please see Mr. Francis at 12:30,
Saturday, in the Show office, room B,
the Union. 44-5-6.

Water Analysis.
Course XI. 4th year. Water Analysis.
First exercise, Nov. 23.
Lectures—Tuesday 12 to 1, Room 23
Walker. (Nov. 23). Thursday 10 to
11, 23 W.
Laboratory, Tuesday and Thursday af-
ternoons, Room 36 Walker.
Issues 43, 44, 45, 46. maSy

WIRELESS SOCIETY.—All students
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in their name and address to H. L.
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H. M. DAVIS, Cage.
43, 44.

English H. S. Club meeting, Thurs-
day, Nov. 18, at one o'clock, in the
Union. Important business, short ses-
sion. 43, 44.

Technique 1910. Board meeting.
Thursday, Nov. 18 at five.
42, 43, 44, 45

1913—Orders for Class pipes taken at
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ning today.

J. C. GOFF.
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42, 43, 44, 45

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for parties, etc.

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44-47.

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